### INTERNATIONAL SEARCH REPORT

PC17-Z 03/00019

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 C04B41/87

According to International Patent Classification (IPC) or to both national classification and IPC

#### **B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  $IPC\ 7\ C04B$ 

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, COMPENDEX

	INTS CONSIDERED TO BE RELEVANT	
Category °	Citation of document, with Indication, where appropriate, of the relevant passages	Relevant to claim No.
A	DE 100 18 458 A (ERLUS BAUSTOFFWERKE) 18 October 2001 (2001-10-18) claims	1-14
A	DE 199 47 524 A (ERLUS BAUSTOFFWERKE)  1 February 2001 (2001-02-01)  claims	1-14
A	PATENT ABSTRACTS OF JAPAN vol. 1999, no. 05, 31 May 1999 (1999-05-31) & JP 11 028784 A (TOTO LTD), 2 February 1999 (1999-02-02) abstract	1–14

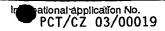
Table redocuments are listed in the continuation of box C.	Yatent family members are listed in annex.			
Special categories of cited documents:	*T* later document published after the international filing date			
'A' document defining the general state of the art which is not considered to be of particular relevance	or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention			
"E" earlier document but published on or after the International filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled			
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)				
*O* document referring to an oral disclosure, use, exhibition or other means				
document published prior to the international filing date but later than the priority date claimed	in the art.  *&* document member of the same patent family			
Date of the actual completion of the international search	Date of mailing of the international search report			
20 October 2003	28/10/2003			
Name and mailing address of the ISA  European Patent Office, P.B. 5818 Patentlaan 2	Authorized officer			
NL − 2280 HV Rijswijk Tel. (+31−70) 340−2040, Tx. 31 651 epo nl, Fax: (+31−70) 340−3016	Rosenberger, J			

# INTERNATIONAL SEARCH REPORT

International Application No ...
PC17-CZ 03/00019

		101702 03	22 03/00019	
	ation) DOCUMENTS CONSIDERED TO BE RELEVANT			
Category °	Citation of document, with indication, where appropriate, of the relevant passages		Relevant to claim No.	
A	PATENT ABSTRACTS OF JAPAN vol. 1996, no. 11, 29 November 1996 (1996-11-29) & JP 08 175887 A (TOTO LTD), 9 July 1996 (1996-07-09) abstract		1-14	

## INTERNATIONAL SEARCH REPORT



Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
Claims Nos.:     because they relate to subject matter not required to be searched by this Authority, namely:
2. X Claims Nos: 1-14. (in. part) because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:  see FURTHER INFORMATION sheet PCT/ISA/210
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
As all required additional search fees were timely paid by the applicant, this international Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
,
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark on Protest  The additional search fees were accompanied by the applicant's protest.  No protest accompanied the payment of additional search fees.

### FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box I.2

Claims Nos.: 1-14 (in part)

Present claims 1-14. relate to an extremely large number of possible methods. Support within the meaning of Article 6. PCT and disclosure within the meaning of Article 5 PCT is to be found, however, for only a very small proportion of the methods claimed. In the present case, the claims so lack support, and the application so lacks disclosure, that a meaningful search over the whole of the claimed scope is impossible. Consequently, the search has been carried out for those parts of the claim 1, which appear to be supported and disclosed, namely those parts relating to a process for manufacturing photocatalytic, antibacterial, selfcleaning and/or sanitising surfaces on ceramic tiles or other ceramic products by solid state deposition, wherein ultrafine ceramic powders are cold deposited directly onto melted or partially melted ceramic surfaces. Claims 2-14 were searched only insofar as they are limited to processes according to claim 1, i.e. as dependent from claim 1.

The applicant's attention is drawn to the fact that claims, or parts of claims, relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure.

#### prmation on patent family members

International Application No PC17-2 03/00019

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
DE 10018458	A	18-10-2001	DE WO	10018458 A1 0179141 A1	18-10-2001 25-10-2001
DE 19947524	A	01-02-2001	DE AT CZ DE DK EP	19947524 A1 235442 T 20002725 A3 50001530 D1 1072572 T3 1072572 A1	01-02-2001 15-04-2003 16-01-2002 30-04-2003 14-07-2003 31-01-2001
JP 11028784	Α	02-02-1999	~. JP.,	3Q63735 B2	12-07-2000
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